

AAS 197, January 2001

Session 45. Stellar Interferometry

Display, Tuesday, January 9, 2001, 9:30am-7:00pm, Exhibit Hall

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[45.05] K-Band Observations of P Cygni with the Palomar Testbed Interferometer

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We present near-infrared (2.2 μ m) interferometric observations of the LBV P Cygni taken with the Palomar Testbed Interferometer (PTI) during the 1999 and 2000 observing seasons. PTI's \sim 100 m baseline allows high-resolution measurements in the 1-4 mas range at 2.2 μ m. In the 1999 data, P Cygni was partially resolved with PTI. Follow-up data acquired during the 2000 observing season is aimed at determining whether any structure in P Cygni can be resolved by means of earth-rotation. We report the results of these observations.

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